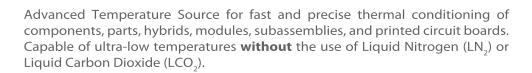
ATS-750-M THERMOSTREAM®

DATASHEET AND SPECIFICATIONS

-90° to +300°C





PERFORMANCE:

Temperature Range*

- $-85 \text{ to } +300^{\circ}\text{C } (50\text{Hz})$
- $-90 \text{ to } +300^{\circ}\text{C } (60\text{Hz})$
- No LN, or LCO, Required

Transition Rate*

-55 to +125°C, approx. 10 seconds or less 125 to -55°C, approx. 10 seconds or less

System Airflow Output*

4 to 18scfm (1.9 to 8.5 l/s) Continuous

* under nominal operating conditions ultimate low (±1.0°C) achieved at 18scfm ultimate high (±1.0°C) achieved at 16scfm

TEMPERATURE CONTROL:

Temperature Display & Resolution +/- 0.1°C

Temperature Accuracy

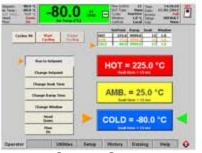
1.0°C (when calibrated against NIST standard)

DUT Temperature Control

proprietary control algorithm enables DUT temperature to be directly controlled

DUT Sensor Ports

internal diode, thermocouples (T & K), RTD (100 Ohm platinum)



OPERATOR **S**CREEN

FEATURES:

▶ Frost Free Feature

dry air purge for tester interface, prevents condensation: 0.5 to 3scfm (0.25 to 1.5 l/s)

▶ ECO Friendly Features

Automatic Power Reduction reduces power usage during idle periods Heat Only Mode

reduces power usage when cold temperatures are not used

▶ Heated Defrost Feature

quickly removes moisture buildup from internal chiller

► Fully Adjustable Thermal Head

► Thermal Cap

5.5 inch ID, High Temperature Rated Thermal Cap or optional

- ► Windows® OS
- ► Local & Remote Operations
- ► LabView[™] & LabWindows[®] drivers
- On-Screen Help
- ► Ethernet, IEEE-488, RS232 ports
- ► USB, keyboard, mouse, & printer ports
- customizable and savable test setups
- Program & Datalog Storage (via ethernet or USB)
- User Defined Temperature Limits



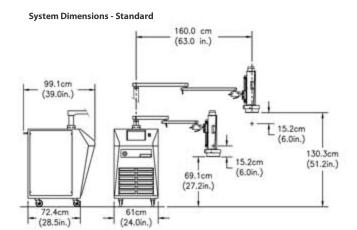
DATALOG **S**CREEN

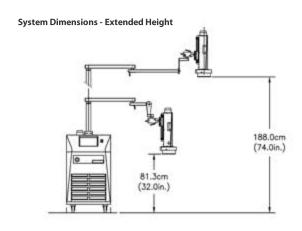


Specifications

ATS-750-M THERMOSTREAM®

Advanced Temperature Source





Weights and Dimensions

Width: 61.0 cm (24 in.), Depth: 72.4 cm (28.5 in.) Base 1

Height: 108 cm (42.5 in.)

Not packed: 236 kg (520 lbs.) **System Weight**

Packed: 365 kg (805 lbs.)

Mobility Four static dissipative, swivel caster wheels

Maximum Reach 160.0cm (63 in.)

Maximum Operating Height 130.3 cm (51.2 in.) - extended height option: 188.0 (74.0 in.) **Minimum Operating Height** 69.1 cm (27.2 in.) - extended height option: 81.3 (32.0 in.)

Noise Level <65dBA

Service and Safety

Refrigerants HCFC and CFC-free, non-toxic, non-flammable Auto-diagnostics and field replaceable modules Serviceability

Over Temperature Protection +305°C (factory set): Operator can set high and low air temperature limits

Facility Requirements

Power² 200 - 250 VAC (230V nominal), 50/60Hz

30 amp, 1 phase

Compressed Air³

Clean, Dry Air (CDA) Filtered to 5 micron particulate contamination.

Oil Content: <0.1 ppm, by weight, filtered to

0.01 micron oil contaminant. Dewpoint: <10°C @ 6.2 BAR (90PSI) 6.2 to 7.6 BAR (90 to 110 PSIG)

Air Supply Pressure Total Air Flow Rate Required 7.1 to 14.2 l/s (15-30 scfm)

11.8 l/s (25 scfm) nominal +20° to +25°C; +22°C nominal

Air Supply Temperature Operating Environment³

Operating Temperature +20° to +28°C; +23°C nominal

Humidity 0 to 60%; 45% nominal

² System is configured for operation within voltages listed above using an internal transformer. Please specify power configuration with order



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ISO 9001 Certified





¹ an additional 20.3cm (8 in.) clearance is required for supply connections and cabinet ventilation

³ Under operating conditions which are greater or less than nominal, performance may be less than specification provided